

Please type a plus sign (+) inside this box → +

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 19546.0035

First Inventor Hiroyuki Nakamoto

Title Analog to Digital Conversion Circuit

Express Mail Label No.

175-724080
US PTO



APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 16]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (*if filed*)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 8]
5. Oath or Declaration [Total Pages 4]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
 8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies
- ACCOMPANYING APPLICATIONS PARTS**
9. Assignment Papers (cover sheet & document(s))
 10. 37 C.F.R. §3.73(b) Statement Power of Attorney
(when there is an assignee)
 11. English Translation Document (*if applicable*)
 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
 13. Preliminary Amendment
 14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
 15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
 17. Other: *Claim for Priority*

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

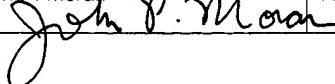
Continuation Divisional Continuation-in-part (CIP) of prior application No: _____ / _____
Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		23517		or <input type="checkbox"/> Correspondence address below <i>(Insert Customer No. or Attach bar code label here)</i>	
Name	Edward A. Pennington, Esq. Swidler Berlin Shreffl Friedman, LLP				
Address	3000 K Street, N.W. Suite 300				
City	Washington	State	D.C.	Zip Code	20007-5116
Country	US	Telephone	202 424-7500	Fax	202 295-8478

Name (Print/Type) John P. Moran Registration No. (Attorney/Agent) 30,906

Signature  Date December 1, 2003

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

13281
120103
U.S.PTO

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

770

Complete If Known	
Application Number	TBD
Filing Date	December 1, 2003
First Named Inventor	Hiroyuki Nakamoto
Examiner Name	TBD
Art Unit	TBD
Attorney Docket No.	19546.0035

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																																																																				
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number 19-5127 Deposit Account Name Swidler Berlin Shreff Friedman, LLP				3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th colspan="2">Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Fee Code</td> <td>Fee (\$)</td> <td>Fee Code</td> <td>Fee (\$)</td> <td></td> </tr> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet.</td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for reexamination</td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td>210</td> <td>Extension for reply within second month</td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253</td> <td>475</td> <td>Extension for reply within third month</td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254</td> <td>740</td> <td>Extension for reply within fourth month</td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>2255</td> <td>1,005</td> <td>Extension for reply within fifth month</td> </tr> <tr> <td>1401</td> <td>330</td> <td>2401</td> <td>165</td> <td>Notice of Appeal</td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td>165</td> <td>Filing a brief in support of an appeal</td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403</td> <td>145</td> <td>Request for oral hearing</td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - unavoidable</td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td>665</td> <td>Petition to revive - unintentional</td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665</td> <td>Utility issue fee (or reissue)</td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td>240</td> <td>Design issue fee</td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td>320</td> <td>Plant issue fee</td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Processing fee under 37 CFR 1.17 (q)</td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> </tr> <tr> <td>1809</td> <td>770</td> <td>2809</td> <td>385</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> </tr> <tr> <td>1810</td> <td>770</td> <td>2810</td> <td>385</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> </tr> <tr> <td>1801</td> <td>770</td> <td>2801</td> <td>385</td> <td>Request for Continued Examination (RCE)</td> </tr> <tr> <td>1802</td> <td>900</td> <td>1802</td> <td>900</td> <td>Request for expedited examination of a design application</td> </tr> <tr> <td colspan="4">Other fee (specify) _____</td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td colspan="2">SUBTOTAL (3)</td> <td>(\$ 0)</td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Description		Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)		1051	130	2051	65	Surcharge - late filing fee or oath	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	1053	130	1053	130	Non-English specification	1812	2,520	1812	2,520	For filing a request for reexamination	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	1251	110	2251	55	Extension for reply within first month	1252	420	2252	210	Extension for reply within second month	1253	950	2253	475	Extension for reply within third month	1254	1,480	2254	740	Extension for reply within fourth month	1255	2,010	2255	1,005	Extension for reply within fifth month	1401	330	2401	165	Notice of Appeal	1402	330	2402	165	Filing a brief in support of an appeal	1403	290	2403	145	Request for oral hearing	1451	1,510	1451	1,510	Petition to institute a public use proceeding	1452	110	2452	55	Petition to revive - unavoidable	1453	1,330	2453	665	Petition to revive - unintentional	1501	1,330	2501	665	Utility issue fee (or reissue)	1502	480	2502	240	Design issue fee	1503	640	2503	320	Plant issue fee	1460	130	1460	130	Petitions to the Commissioner	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	1806	180	1806	180	Submission of Information Disclosure Stmt	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	1801	770	2801	385	Request for Continued Examination (RCE)	1802	900	1802	900	Request for expedited examination of a design application	Other fee (specify) _____				*Reduced by Basic Filing Fee Paid				SUBTOTAL (3)		(\$ 0)
Large Entity	Small Entity	Fee Description		Fee Paid																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																					
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																				
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																				
1053	130	1053	130	Non-English specification																																																																																																																																																																				
1812	2,520	1812	2,520	For filing a request for reexamination																																																																																																																																																																				
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																				
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																				
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																				
1252	420	2252	210	Extension for reply within second month																																																																																																																																																																				
1253	950	2253	475	Extension for reply within third month																																																																																																																																																																				
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																				
1255	2,010	2255	1,005	Extension for reply within fifth month																																																																																																																																																																				
1401	330	2401	165	Notice of Appeal																																																																																																																																																																				
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																				
1403	290	2403	145	Request for oral hearing																																																																																																																																																																				
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																				
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																				
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																				
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																				
1502	480	2502	240	Design issue fee																																																																																																																																																																				
1503	640	2503	320	Plant issue fee																																																																																																																																																																				
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																				
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)																																																																																																																																																																				
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																				
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																				
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																				
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																				
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																				
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																				
Other fee (specify) _____																																																																																																																																																																								
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3)		(\$ 0)																																																																																																																																																																		
Total Claims 10 -20 ** = 0 X = 0 Independent Claims 3 -3 ** = 0 X = 0 Multiple Dependent X = 0																																																																																																																																																																								
Large Entity		Small Entity		Fee Description																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																					
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																				
1201	86	2201	43	Independent claims in excess of 3																																																																																																																																																																				
1203	290	2203	145	Multiple dependent claim, if not paid																																																																																																																																																																				
1204	86	2204	43	** Reissue independent claims over original patent																																																																																																																																																																				
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																				
SUBTOTAL (2) (\$ 0)				SUBTOTAL (3) (\$ 0)																																																																																																																																																																				

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY		Complete (if applicable)		
Name (Print/Type)	John P. Moran	Registration No. (Attorney/Agent)	30,906	Telephone 202 424-7500
Signature	<i>John P. Moran</i>	Date	December 1, 2003	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.